FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE			SERIAL NO. 09/522,407	DOCKET N Q58164			
INFORMATION DIS	SCLOSURE STATEMENT BY A	PPLICANT	APPLICANT Toshihiro SHIMA				
(Use	several sheets if necessary)		FILING DATE March 9, 2000				
		U.S	. PATENT DOCUM	ENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
IPE							
1 4 2000							
		FORE	GN PATENT DOCU	JMENTS			
11	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO	
A	10-173836	06/26/98	JP	HO4N	1/00		
	2-70465	03/09/90	JP	B41J	2/485		
	OTHER SOCIETY						
	T		uding Author, Title 10173836 June 26		nt Pages, etc.)		
EXAMINER		, 9 -	7/		CONSIDERED	f. 1.	

4

Serial No.: 09/522,407 Atty. Docket No. Form PTO-1449 **U.S. Department of Commerce** Q58164 Patent & Trademark Office (Rev. 2-32) Applicant: Toshihiro SHIMA INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Filing Date: Group: March 09, 2000 2781 U.S. PATENT DOCUMENTS Filing Date Document Number Date Name Class Sub-Examiner Class (if appropriate) FOREIGN PATENT DOCUMENTS Translation Class Sub-Country Document Date Yes/No class B41J 5/30 12/9/97 9-314929 Japan 3/24/98 G06F 3/12 10-78857 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) DATE CONSIDERED: / EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if EXAMINER: not in conformance and not considered. Include copy of this form with next communication.

Substitute for Form 1449 A & B/PTO	Complete if Known			
Substitute for Form 1445 A & D/F 10	Application Number 09/522,407			
PINFORMATION DISCLOSURE	Confirmation Number [confirmation_number]			
O'STATEMENT BY APPLICANT	Filing Date March 09, 2000			
/ 0\	First Named Inventor Toshihiro SHIMA			
All 0 8 2002 (use as many sheets as necessary)	Art Unit 2781			
\2 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Examiner Name NOT YET ASSIGNED			
Sheet 6 1 of 1	Attorney Docket Number Q58164			
Francis				

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cita	Document 1		Publication Date MM-DD-YYYY	<u>-</u>
	Cite No. ¹	Number	Kind Code ² (if known)		Name of Patentee or Applicant of Cited Document
		US			
		US			
		US			.
		US			REOF.
		US			ーしたバビ
		US			A. TEL
	•	US			AUG O a 200
		US			
	-	US			Technology Center or
•					Center 2100

	FOREIGN PATENT DOCUMENTS						
Examiner 2	2 Cite	Foreign Patent Document			Publication Date	Name of Patentee or	
Initials*	Malata and Nia 1 Counterer	Number ⁴	Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Translation ⁶	
de de la companya della companya del		EP	0 782 067	A2	07/02/1997	Seiko Epson Corporation	
		EP	0 820 032	A2	01/21/1998	Seiko Epson Corporation	
							j
			-				
		i					

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.					
	├ ─┤						
	\vdash		 				

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is informance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.